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Public Health Exhibitions

A CATALOGUE OF

Necessaries for their Outfitting
and Maintenance

SUPPLIED BY THE

Educational Exhibition Co.

G. T. SWARTS, JR.

70 Waterman Street
Providence, Rhode Island

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Catalogue B

August, 1910

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G. T. SWARTS, JR.

70 Waterman Street

Providence, Rhode Island

PUBLIC HEALTH EXHIBITIONS

ADVICE, ENGINEERING AND SUPERINTENDENCE.

We furnish advice as to the best forms of exhibits and make plans showing the best arrangement of an exhibit in any given hall. We are originators of the zig-zag, or maze system of planning the layout of an exhibit, requiring spectators to view every part of the exhibit in its proper order, specialists in graphical representation for large civic and welfare exhibits of various kinds and consulting experts in management and construction of large exhibitions. We have been engaged for this work by "Boston 1915" and the New York Child Welfare Exhibit.

SUGGESTIONS FOR EXHIBITS.

Exhibits may well be prepared on Flies, Playgrounds, First Aid to the Injured, Care of Infants, Industrial Safeguards, Housing, Ventilation and many other subjects.

Our customers may be interested to know that there are now available besides the many exhibits we manufacture and design, exhibits on The Bible (for Primary Sunday Schools), Preventable Blindness, and Money. These exhibits are owned by societies for the study of the various subjects involved and we shall be glad to give further information in regard to these to any of our customers interested.

Our material is now in use by Anti-Tuberculosis Societies and Boards of Health in the following cities and states:

Arizona
Boston, Mass.
Chicago, Ill.
Cleveland, O.
Delaware
Hartford, Conn.
Hot Springs, Ark.
Maine
Montreal, Quebec, Canada
Minnesota

Nashville, Tenn.
New York State
New York, N. Y.
Newark, N. J.
Pennsylvania
Rhode Island
Seattle, Wash.
St. Clairsville, Ky.
Troy, N. Y.
Vermont

Introductory

On the following pages will be found our revised catalogue with prices, containing much new material for Tuberculosis and other exhibits. While the variety of material is great, if the prospective purchaser requires special apparatus or material for his needs we are well equipped by experience and facilities to design and manufacture it cheaply, quickly and well. We are constantly adding new material and may have already worked out the idea which the purchaser has in mind. The material described in this catalogue is manufactured in the style and arrangements which we recommend and approve for ordinary work, but we have on file many methods of presentation and hanging exhibits not of general interest, but which are well adapted for special needs. We believe our sign, photographic, and carpentering work to be exceptional in quality.

Particular attention is called to the sections on Milk and Mouth Hygiene as containing much material which may well be added to existing Tuberculosis exhibits.

Our line of small traveling exhibits herein described is very complete and should, we think, prove acceptable to those looking for something of this nature at a moderate price.

For the convenience of those ordering by telegraph we have assigned a catalogue number to each article which we list. Practically all material listed in our former catalogue has been revised and improved in design and quality as experience seemed to demand.

Please destroy all previous lists but save this catalogue as it will not be re-issued. We shall hereafter publish supplementary bulletins and catalogues instead.

While our facilities for getting out rush orders are now very complete and we try to keep continually on hand sufficient stocks of those goods which are most in demand, it is often impossible to avoid delay in filling orders, and customers requiring goods shipped by a certain date should order as early as possible in advance in order to escape disappointment.

It should be distinctly understood that all prices herein given are for the convenience of customers only and subject to change without notice. Telegraph or rush orders will be filled at prices in force at date of order without notification unless quotation is asked for by return wire. Prices are all net but subject to discount where quantities of the same article are ordered at the same time. No allowance for breakage in shipment.

All prices are F. O. B. Providence, R. I., unless otherwise stated. We choose method and route of shipment, provided the purchaser does not state preference.

PUBLIC HEALTH EXHIBITIONS

APPARATUS

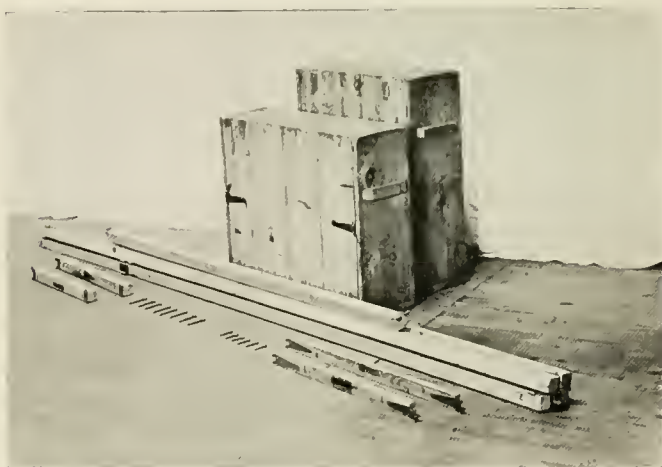


Fig. 1—Standard Boxes Ready for Shipment.

STANDARD BOXES.

For traveling exhibits it is necessary to have suitable cases in which to transport the frames and at the same time means must be provided for hanging the same when the exhibit is set up. By means of our standard boxes an entire exhibit may be hung without attaching anything to the walls, floor, or ceiling of the exhibition hall and at the same time no storage space has to be provided for the cases in which the frames are shipped as they form the bases of the supports for the pictures which they hold. Fig. 1 shows two standard boxes and the accompanying supports packed and ready for shipment, while Fig. 2 shows the same and their contents being set up for exhibition. Each box holds ten pictures, enough for hanging three pictures above the box and three on each side. These may be hung from a T-shaped support held up by one box or between two boxes as in Fig. 2. The poles are attached to the boxes by hinge and cotter pin connections and can be erected or dismantled in a few minutes, requiring no screwing or nailing.

Boxes are furnished "Tall" or "Short" according to which way the frames which they are to carry are to hang. Care should be taken to stipulate which is wanted in ordering. The average exhibit requires about as many "Tall" boxes as "Short."

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Fig. 2.

Poles ten feet six inches high are furnished unless otherwise ordered. All boxes and poles stained green.

Price per box with two standards and either a tee or spanner, \$8.00. Discount allowed when boxes are ordered in quantity.

Cat. Nos. Tall, 503; Short, 504.

PUBLIC HEALTH EXHIBITIONS

FRAMES.

We supply the frames now generally utilized for exhibition purposes all over the country. These are light frames 3-8 of an inch thick and large enough to take cardboard 22 x 28 inches, the standard size made. By an ingenious arrangement the cardboard may be inserted in an instant, no tacking or glueing being necessary. Frames also for 30 x 40-inch card.

Frames are supplied either cherry or butternut. Unless otherwise stated in the order we supply the cherry frames as we do not carry butternut in stock. Frames are furnished with holes bored to receive cup hooks, and the latter are furnished but not screwed in unless a standard box is ordered with the frames. Price, \$1.00 apiece; discount in quantity.

Holes are bored only when it is stated in the order which way the frames are to hang. The hooks are spaced 15 inches apart.

Cat. No. (22 x 28 frames) 501; (30 x 40 frames) 502.

EXHIBITS.

By using the above standard boxes with supports and a suitable proportion of framed pictures and mottoes an entire exhibit may be arranged. This is a flexible form of exhibit, which can be adapted to the size of the hall used, each box of frames constituting a unit.

For a small display 50 frames or six boxes will suffice, while ten or twelve boxes will hold a very complete exhibition. We furnish entire exhibitions with selected aphorisms and pictures, according to size desired. Using this system an organization may start with a comparatively small exhibit and gradually add to it as its funds allow.

Let us know how much you desire to spend on an exhibition and we will send you a list of what we will furnish for that amount.

Having already equipped several large exhibits, we feel especially competent to satisfy if given the opportunity to design the makeup of an exhibit.

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General View of a Tuberculosis Exhibit, Showing Apparatus in Use.

PUBLIC HEALTH EXHIBITIONS

PART I. TUBERCULOSIS EXHIBITS.



Fig. 3—A.

MOTTOES OR APHORISMS.

These are the aphorisms or short sayings concerning tuberculosis and its cure, which were originated by Dr. O. H. Rogers, of Yonkers, N. Y., and made first for the New York State Department of Health, but which are now used in many other exhibitions. They, or something similar are practically a necessity for any exhibit. We furnish in either of two styles, Fig. 3a or Fig. 3b. Fig. 3a shows the hand lettered style, Plain, black, block lettering on white ground is used, all lettering being uniform in style and as large as possible so that it may be read across a wide hall. Price of regular stock mottoes in English, framed in standard frames with hooks, \$2.25 each.

We can furnish mottoes lettered in this style in any language. Prices on request, depending on number ordered.

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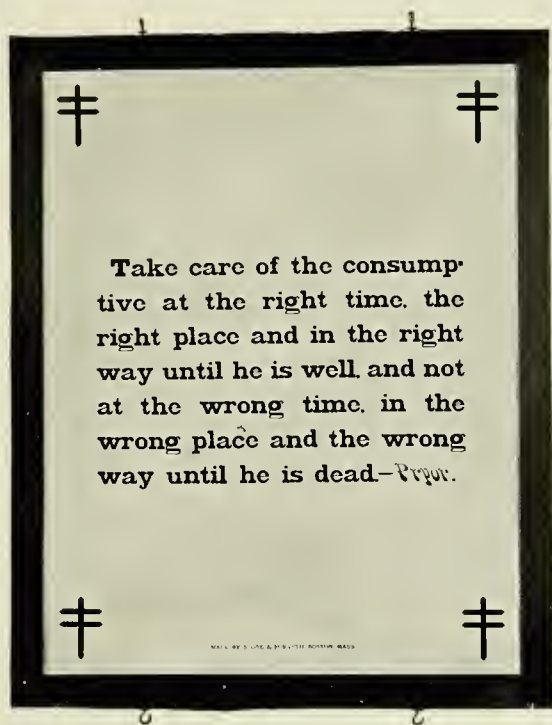


Fig. 3—B.

The other form (Fig. 3b) consists of mottoes printed in black on white cardboard with a double cross in red on each corner. Price of this style, \$1.00 each unframed, \$2.00 framed.

A complete list of these mottoes will be furnished on application to parties contemplating purchase.

PICTURES.

Photographs showing the various methods of treating the disease, such as porches, window tents, day camps and sanatoria in use, as well as pictures showing unsanitary conditions and their betterment and charts of death rates by age and diseases. Three or four pictures, size 6 1-2 by 8 1-2 or 8 by 10 inches, are mounted in one frame on appropriate background. Pictures are furnished in dull finish velox with suitable lettering beneath. For larger exhibits it is often preferable to use enlargements which fill or nearly fill the whole frame. Prices of either style according to number ordered.

PUBLIC HEALTH EXHIBITIONS

NOVELTY CARDS.

The following is a selected list of cards which we can furnish which are neither pictures nor aphorisms. They are either a combination of both or else contain various articles mounted on the card, with suitable lettered description. All are framed in our standard 22 x 28-inch frame. We have others not here listed and new ones are added from time to time.

Cat. No.	Description or Title of Card.
153	"Remember these things" card posted in all public schools in Providence, R. I. Gives lists of "Don'ts" for school children. (Courtesy Providence R. I. Department of Health), \$2.00.
154	Pathological diagram. Infection by spitting (silhouette in two colors), \$3.00.
155	Pathological diagram. Infection by coughing or sneezing in face (silhouette in two colors), \$3.00.
156	The germs of Tuberculosis highly magnified (drawing in two colors), \$3.00.
157	The House Fly (Drawing of fly, size about 12 inches long with lettering beneath), \$3.00.
159	Card containing various forms of pasteboard spit cups, lettered, \$3.00.
161	Card containing various forms of individual metal and paper drinking cups, \$2.50.
162	New York Cartoon banners on 22 x 28 card (Like Fig. 13 but larger in size and crosses in red), \$1.50.
163	Cartoon, "Which Path are You on?" This shows two men, one taking the path of careful living to health, and the other going in the opposite direction toward consumption and death, \$3.00.
166	The wrong way to dust (Feather duster), \$2.50.
167	The right way to dust, \$2.50.
168	The wrong way to sweep (Straw broom), \$2.50.
169	The right way to sweep, \$2.50.
170	Providence District Nursing Association sleeping out bag. Card contains a small model of bag with direction for making. (Courtesy R. I. State Board of Health), \$2.50.
172	The wrong kind of a room. Matter describing card No. 401, \$2.25.
173	The right kind of a room. Describing No. 402, \$2.25.
401	Dirty Room, R. I. State Board of Health Exhibit. 20 x 24-inch enlargement of photograph mounted on 22 x 28 card, \$4.50. See Description under "Contrast Rooms" page 12.
402	Clean Room. Uniform with No. 401, \$4.50.

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Fig. 4. Showing Portable Window.

PUBLIC HEALTH EXHIBITIONS

CONTRAST ROOMS.

These are probably the most striking, and consequently the most popular, part of any exhibit. Two rooms of exactly the same size are shown; one, "As the room was found, DIRTY, DARK and DANGEROUS TO HEALTH," and the other, "The same room cleaned, CHEERFUL, COMFORTABLE and SANITARY." In the first room we see the musty, dusty carpet tacked to the floor, holding all the germs which fall there, the dark, dismal wall paper, the closed window covered with dark wooly curtain, smoky lamp, etc. The other room has a light cheerful aspect; open window, bare floor with washable rugs on it, etc.

The rooms are life size, measuring about 7 x 10 x 7.5 feet high, and are made of sections of canvas mounted on light substantial wood frames 30 inches wide, which are fastened together with bolts to form the walls and roof when the room is set up.

The two rooms, papered, with suitable wall paper, with bolts and thumb nuts, all packed in three strong boxes fitted with our regular cotter pin latches suitable for traveling exhibits, but without furnishings, \$100. Cat. No. 505.

Furniture extra, according to what is desired. Furniture supplied only in strong crates with cotter pin latches for easy manipulation and safe transportation. No freight will be received by railroads or shipping agents unless boxed or crated. The crates we ship in are suitable to use with the exhibit.

Oil lamps, either smoky with broken chimney, or clear with bright chimney fitted with electrical connections, obviating the nuisance and danger resulting from the use of oil, with ten feet of cord and Edison plug, \$1.50 each.

These rooms can be adapted to show other scenes, as for instance an unsanitary bakery or laundry in consumptive quarters.

We built two entire three-room tenements on this principal for the 1915 Boston Exposition illustrating the difference between a model and an actual tenement.

WINDOW TENTS.

Window tent devices of any special make or made to order furnished with transportable window which stands on its own supports as shown in Fig. 4. The window is full size with weights. Price according to style of device desired. The Dunham Bed, reclining chairs, iron cots, and other apparatus for the same purpose also furnished. We have recently greatly improved these portable windows by furnishing a support with little bulk to it and easily attached. Cat. No. 506.

EDUCATIONAL EXHIBITION COMPANY

ILLUSIONS.

These are something entirely new and are well adapted to holding the attention of the public as an element of mystery is attached to them. Three styles only are listed but others may be devised to meet individual needs.

Cat. No. 507. *Contrast Room Illusion.* This is the illusion devised for the Rhode Island State Board of Health exhibit at the International Tuberculosis Congress exhibition held in Washington, 1908. There are two rooms, one clean and one dirty, similar to the two large contrast rooms but on a scale of one-inch to the foot. These are not pictures, but models. As the spectators look through an opening (see Fig. 5) they see the miniature rooms flash one

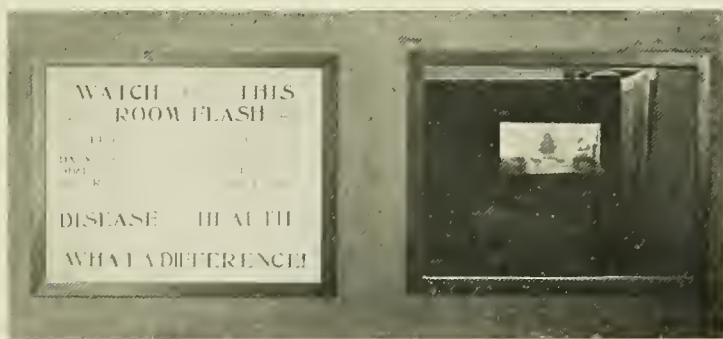


Fig. 5. Illusion.

at a time before their eyes from dirty to clean and back again. By a reflecting principle each piece of furniture in the dirty room is replaced in exactly the same spot by the corresponding piece in the clean room. This transformation takes place automatically about every fifteen seconds. All that is necessary to run an illusion is electric current of any voltage, either alternating or direct. Size of box about three by three by one foot. Completely furnished with a new style flasher, fifteen feet of insulated electric cord, paste board sign and Edison socket plug, \$30.00.

This is well adapted to window display (at night only) and for exhibits for which the large contrast rooms are too cumbersome or expensive. No electrical knowledge is necessary to operate these illusions beyond that required to screw a plug into a lamp socket.

Cat. No. 508. *Drinking Fountain Illusion.* In one scene we see the careless consumptive drinking from the common cup at a public fountain, and in the

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other the mother pressing the same cup to her child's lips. Scale about two inches to one foot; characters represented by dolls. With new style automatic electric flasher, cardboard sign, lamps and fifteen feet of cord with plug, \$30.00.

Well adapted for window display or exhibits. Very striking.

Cat. No. 509. *Death Rate Illusion*. Every thirty seconds (i. e., every time a person in the civilized world dies of consumption) a small doll representing a healthy person changes to a skeleton. Complete outfit, \$25.00.

In ordering illusions please state voltage to be used. While the illusions will work on any voltage and on either alternating or direct current, we should know voltage in order to supply the proper lamps. By changing lamps wherever the voltage changes it is possible to use these anywhere. Once set up they require no attention.

FLASHERS.

For store window display to advertise an exhibition or merely as additional education.

Straight Flasher. One lighted sign shows "Consumption can be cured," or similar wording and is replaced every few seconds by another saying, "See the exhibit this week at Jones' Opera House," or similar wording.

Aurora Sign. Many colored lights flash in all conceivable combinations behind a sign, producing beautiful effects, while words flash out at intervals.

Other styles. Prices according to size and wording which should be brief as possible. These flashers have the merit of being so attractive that they contribute to the advertising value of a merchant's window and hence he is more willing to display them than some other forms of advertising.

DEATH RATE SIGNS.

These give a decidedly vivid impression of the alarmingly large death rate from consumption at the present time.

Three forms are made.

Cat. No. 514. *Light*. A light goes out every thirty seconds (i. e., every time a person in the civilized world dies of consumption.) The light appears in the center of a large sign stating the facts in plain bold lettering. (See Fig. 6). This form is not so expensive as the one shown at Washington, and does not have the facility for killing people off too often which was displayed by the same sign with the form of flasher used in New York. It is not practicable to make this sign work for every two minutes and thirty-six seconds (the death rate in the United States) without adding considerably to the expense. Expe-



Fig. 6. Flashlight Death Rate Sign.

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rience at New York and Washington proved also that the shorter period was the better as people grow tired of waiting for over two minutes, for the light to flash. Size, about 3 x 4 feet, large black letters on plain white ground. Price, with fifteen feet of cord and attachment plug, in strong traveling case, \$20.00.

Cat. No. 515. *Bell*. (New). A bell tolls every two minutes and thirty-six seconds, every time a person in the United States dies of consumption. Loud, deep toned bell operated by dry cells and clock works. Can be made to toll every thirty seconds if desired.

Price for either style, in traveling case, \$30.00.

Cat. No. 516. *Dial*. (Fig. 7). On a large dial about two feet in diameter, a hand counts up the number of deaths. On another sign are the words, "This counter was started the day the exhibition opened and has been counting the number of people who have died from Tuberculosis in this country (or in the world) ever since;" so many every minute, day, week and year. Price, \$30.00.

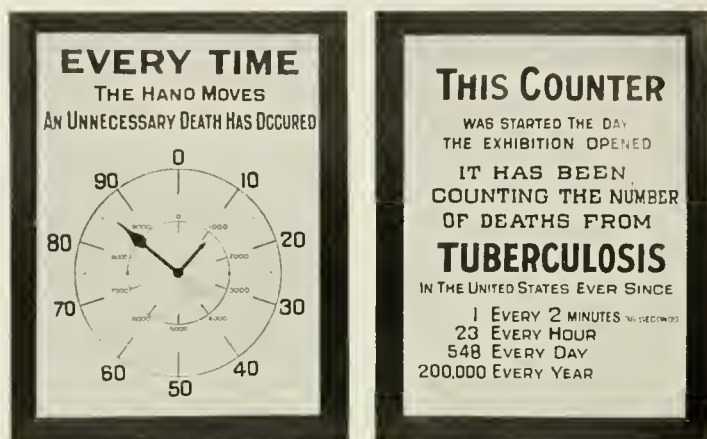


Fig. 7. Dial Death Rate Sign.

SMALL TRAVELING AND PERMANENT EXHIBITS.

In many cases a small exhibit is desired for permanent location in some public building frequented by many people each day, such as a public library, club, lodge, railroad station, or school house. The large exhibitions take up too much space and, requiring an attendant, are expensive of maintenance and therefore not so suitable for this class of work as the forms mentioned below.

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Small permanent and traveling exhibits are undoubtedly the coming form, especially for use in reaching small communities.

In some States the State Association or Board of Health purchases a number of these small-type exhibits, renting or loaning them at cost of transportation to small local organizations for limited periods.



Fig. 8. Type A Tuberculosis Exhibit.

In response to the demand for small exhibits which can be set up in limited spaces, and can be packed in one single box, we have devised the type A and B small portable exhibits. These exhibits while small, completely cover the subject matter and especial care has been taken to make them attractive in appearance and finish. The boxes are stained green on the exterior and the frames and interior are stained a dark weathered oak. Packing boxes are of pine and the frames ash, which is lighter than oak and has the same appearance. Weight of these exhibits is about 100 pounds when packed for shipment.

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These exhibits contain no glass and are built to wear. The outside of the boxes may become scratched up in transit, but with reasonable care the frames and interior should remain fresh for an indefinite period.

These exhibits are invaluable where a small exhibit is desired for lodges, clubs, schools, universities, factories, shops, public libraries, county fairs, large public buildings and department stores. They are portable yet stable enough for permanent use.

Type A (see Fig. 8) contains twenty units or spaces about 14 by 17 inches in dimensions. Nine of these are filled with cards bearing an original set of mottoes which in their entirety cover the subject completely. These have been arranged with especial care for readability, clearness and comprehensive brevity of wording. The large sign across the top has at each end the tuberculosis cross in red and the germs are shown in red. Lettering is all best hand-work, black block lettering on white ground. Every picture is suitably explained by lettering beneath. Pictures are contact prints size 10 by 12 inches. This type of exhibit packs into a box 20 inches high, 10 inches wide and eight feet eight inches long, and when set up will go in any space where the head room is at least eight feet six inches and the exhibit is only eight feet six inches long. It requires two persons' time for fifteen minutes only, to set it up. This exhibit stands vertically and does not slant backward like the old style easel exhibits, thus making it less of a dust collector and more agreeable to read. Price with packing box and supports, \$60.00. Cat. No. 520.

Type B (see Fig. 9). We regard this as the most unique and handy form of small exhibit yet devised. The fact that it contains models makes it powerfully attractive. It has sixteen spaces for mottoes or pictures and is fitted also with two models, one of the Troy porch and the other of a patient equipped with suitable clothing and apparatus for out-door resting in cold weather. This contains the same style mottoes as Type A. The box in which the exhibit is transported forms part of its support when set up and therefore no storage space has to be found for the packing case. One person can set up the exhibit in about five minutes as there is practically no manual labor involved, once the exhibit box is delivered and set in the proper position.

Price complete with the two models, photographs and lettering as in the illustration, \$80.00.

This exhibit can be set up in a corner or very limited space. When spread out to its fullest extent it will go in a space seven feet long and not less than

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eight feet six inches high. The side wings are arranged so that they can be brought closer together to take up less space if required. A blank card about twenty inches square is furnished in the center near the top (see cut), so that the local society exhibiting the cabinet may place on it any lettering desired, as,

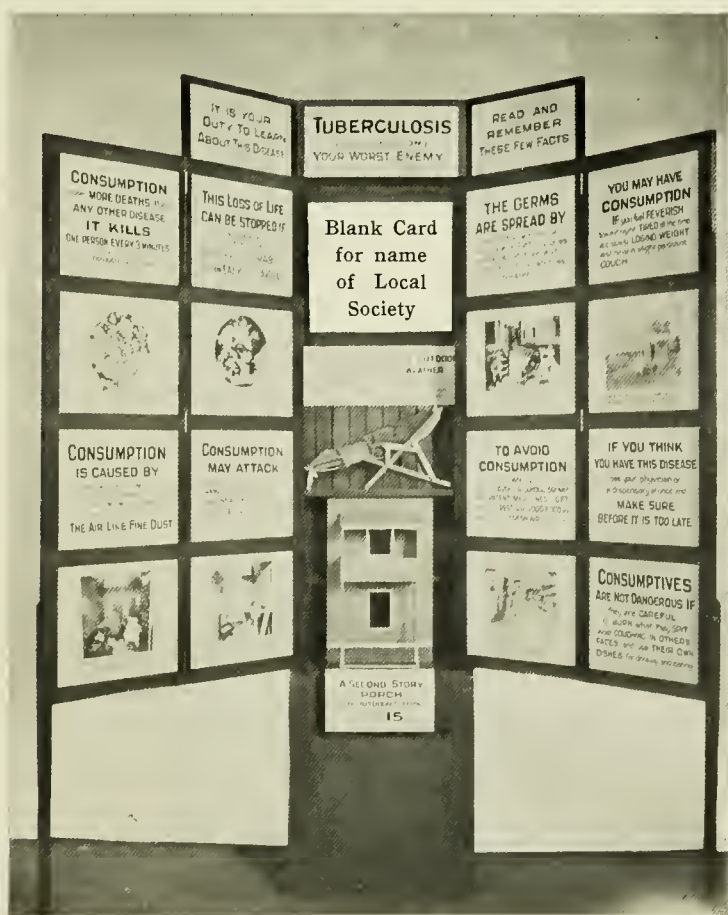


Fig. 9. Type B Tuberculosis Cabinet.

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for instance, "This exhibit is shown by the Jamestown Society for the Prevention of Tuberculosis, 425 Seventeenth St., Jamestown, Virginia. They will gladly give further information to persons interested." Cat. No. 521.

Panorama Form. This is an entirely new device designed by us for the Rhode Island State Board of Health in competition for the prize offered by the American Medical Association at its 1909 meeting, for a compact tuberculosis exhibition, of small cost for maintenance, presenting the entire subject of the cause, prevention, and cure of tuberculosis in a manner clear and convincing to the lay mind. The device unfortunately was completed too late for exhibition at Atlantic City, but has been completed and is now in operation. It consists of a cabinet standing about six feet high, near the top of which there is an opening about one foot high and two feet wide. Behind this opening there passes an endless cloth belt on which are printed photographs, aphorisms, and other descriptive matter, arranged in logical sequence. Below this opening on the front of the cabinet is a show case for the display of solid objects such as spit cups, sanitary drinking cups, small models, etc. The panorama can be operated by an electric motor placed in the base or by turning a hand crank located at the right. (See Fig. 10). The belt on which the exhibit is displayed is forty feet long and it passes by the opening slowly enough to allow of easy examination. The electric drive is preferable as it requires no attention other than starting in the morning and stopping at night by merely turning a switch as you would regulate an electric fan. The hand crank is used only where no attendance of any kind is available.

The advantages of this form of exhibition are obvious. It is a "live" exhibit. It moves. Moreover, it presents the salient facts of the story in the proper order and a person cannot begin at the wrong end of it and work backwards as he may in looking at the usual picture-hung exhibition. By railing off a small space in front of the cabinet a large number of people can view it at the same time without annoying each other as they do in the case of small picture exhibits. No attendance is necessary for this device except for starting and stopping, and the floor space required for the cabinet alone is only fifteen by thirty-two inches. The box is self contained and hence easily transportable. Cabinet is stained mahogany and is an ornament to any public room.

Price, without motor (with hand crank) \$100.00 for one cabinet. When ordered in quantities of more than one, a substantial discount can be allowed.



Fig. 10. Panorama Cabinet.

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Electric motors depend in price on the voltage and current to be used, and if the current is alternating, on the phase and number of cycles. If you desire price on motor these data are necessary. We strongly advise the use of the electric motor where possible. Cat. No. 519.

The Panorama Cabinet has been temporarily withdrawn from the market for further perfection.

MINIATURE HAND PORTABLE EXHIBIT.

Realizing that there is a demand in some localities where ordinary methods of transportation are not available and funds for exhibits small, we have put on the market the following midget style of hand portable exhibit which we shall term small portable type D. It employs units for mottoes and aphorisms size 8 by 10 inches, having eighteen of these spaces. When folded up it measures 18 by 33 inches by 4 inches wide and has a handle for ease in carrying it by hand. It weighs less than a loaded suit-case and can be carried to exhibits or lectures in remote regions where the lantern is not available. When spread out it occupies a wall space 5 feet 6 inches long and 3 feet high. This exhibit has not the finish and beauty of our larger exhibits but will be found we think, to fully meet its designed purpose, that of furnishing an exhibit of extremely low cost covering the entire subject, occupying little space when set up in school hall or store window and easily carried by hand. Price complete, \$25.00. This exhibit is designed to be hung from mouldings and is not self supporting. If no mouldings are available, can be set with its base resting on a table or blackboard ledge. Cat. No. 522.

Canvas carrying bag furnished if desired for slight additional cost. Cat. No. 522 (a).

WINDOW EXHIBITS.

In many places a store window campaign will work well. In vacant stores, or stores whose proprietors are willing to give the space, a series of exhibits appears, a change being made at the end of a week's time. Ten changes or less are made, each on a different topic. While the first topic is appearing in one part of the town the other topics are being displayed in other parts of the city. At the end of a week they change places, and in a series of weeks all topics will have been shown in several parts of the town. This same scheme may be adapted for use in a series of large public schools. If you will give us details as to the size, location and number of windows; population and class of people to be reached in your city as well as amount you can spend, we shall be glad to suggest suitable arrangements and material.

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MODELS.

In addition to the model work already mentioned, we will make to order models of sleeping porches, apparatus and sanatoria already in use or according to your blue prints or drawings. All models small enough are attached to green base board which slides into grooves in the packing case, holding the model securely during shipment and making it easy to pack. In nearly every



Fig. 11-A.



Fig. 11-B.

instance the packing case can be used as a table on which to place the model during exhibition. We do not furnish models without packing cases except by special arrangement and all prices and quotations include case unless otherwise stated. Models furnished for large civic exhibitions.

Model of Troy Porch. This is a reproduction to a scale of one inch to the foot of the porch designed and used in the Troy Tuberculosis Class. Size of model 10 x 6 x 24 inches high. Price including framed sign, base and travelling case fitted with cotter pin latches and grooves into which base slides, \$22.50. Cat. No. 526.

PUBLIC HEALTH EXHIBITIONS

Model of Patient Dressed for Outdoor Sleeping. This model mounted on a base about 10 x 16 inches consists of a doll in a reclining chair showing complete dress, including knitted hood, sweater and socks as well as sleeping bag made of newspapers and cotton. Useful for exhibits, lectures, and classroom demonstrations.

Price, including base to which model is attached, traveling case with cotter pin latches, and 22 x 28-inch framed descriptive sign, \$25.00. Cat. No. 527.

Above two models in same box, \$46.00.

Folding Table for Holding Above Models. This makes a neat and effective method of mounting the above two models (Fig. 11). The models are held at the proper heights and the signs are up high, so high that they are not covered up by spectators looking at the models. The table is stained dark green and folds up compactly for shipment. Price, \$7.50.

Models of Troy Porch and patient dressed for out door sleeping in same box and folding table, \$52.00.

Model of Klondike Bed. Small bed 26 x 15 inches, with blankets for demonstrating the method of folding them to produce the effect called the Klondike Bed, mounted on a base sliding into traveling case fitted with cotter pin latches, and framed sign giving directions for properly folding the blankets, \$23.50. Cat. No. 528.

Models of Ray Brook Tent, Shacks, etc.

LANTERN SLIDES.

Lantern slides on tuberculosis furnished. Price, 35 cents per slide. Lantern slides made from photographs. Positive prints of the same, 10 cents apiece. Set of 41 aphorisms on slides, \$7.00. These will be found useful for emphasizing certain parts of a lecture and serve as notes for those unaccustomed to lecturing. Descriptive list of 200 slides on tuberculosis sent for 4 cents in stamps.

Selection Albums will be found very valuable where many people have to pick out slides for lectures. These albums are loose leaf books in which is pasted a positive print of each slide, the title and a brief description being lettered below. To each print a number is given corresponding to a number on the same slide. Any one desiring to select slides for a certain lecture has only to look the album through and jot down the numbers of the slides which

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he chooses. The slides themselves in the meantime may be in use by some other lecturer, and there is no handling of slides by unaccustomed persons with consequent breakage.

Requisition Slips for filling out with name of lecturer, date, and numbers of slides desired will be found convenient. Ruled, in pads of 100, \$2.00 per pad.

LANTERN SLIDE CASE FOR LECTURERS.

A very small suit case (8 x 12 x 4 inches) is fitted inside to hold about one hundred lantern slides, having six compartments for division into topics at lecturer's pleasure. Very handy to carry to lectures as it is light, has handle, lock and space for spit cup or other articles for demonstration if not filled full with slides.

LANTERN SCREENS AND SUPPORTS.

We will make to order portable lantern screens and supports.

Screen for street use to hang on side of a building, of heavy canvas bound with rope, in canvas bag for transportation, \$60.00.

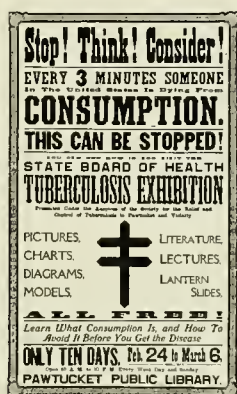


Fig. 12-A.

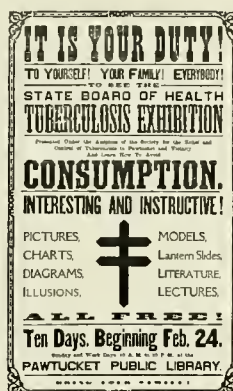


Fig. 12-B.

POSTERS.

Large street posters and window cards designed and printed. Fig. 12 shows two posters written by us for the Rhode Island Board of Health Tuberculosis Exhibit. Crosses are in red.

PUBLIC HEALTH EXHIBITIONS

LITERATURE.

Pamphlets, dodgers, pay roll slips and any form of tuberculosis literature will be furnished. Your copy used or we can supply several stock styles according to what is desired. Samples on application.

PHONOGRAPHS AND RECORDS.

Tuberculosis phonograph records, giving short lectures on Consumption, which have been used so successfully by the New York State Charities Aid Association in their county fair work, will be kept in stock. People will often listen to a phonograph who would not let a man say a word to them. Large concert phonograph, 5 foot brass horn with stand and set of 3 records, \$118.00. Cat. No. 604. There are 3 cylindrical wax records in a complete set of talks; two long and one short; \$2.00 a set. Cat. No. 605.

TALKING ARC LIGHT.

For advertising and attraction two arc lights arranged to reproduce the human voice or music from a phonograph located at some distant point may be used. We furnish this apparatus for one voltage only, that is, 110 volts direct current. As the sound comes from above the heads of the crowd, the device is very effective, attracting even in very large cities where other methods fail. This outfit is rented only.

MOVING SIGNS.

Cat. No. 552. *Flip Flop*. Several signs about six inches high and two feet long, hang one above another. These signs slowly rise until suddenly all the signs turn over and change. The motion is like that of the Japanese toy called "Jacob's Ladder." Run by electric motor.

Cat. No. 553. *Windmill*. Signs are painted on the four sails of a small windmill. The mill turns around and as each sail passes the vertical it flops over, showing another sign. Run by clock work.

Cat. No. 554. *Ferris Wheel*. Model of the Ferris Wheel with small signs instead of cars. Signs come into view as the wheel revolves.

Prices on moving signs will be given on application, depending a great deal on the amount of lettering and number of signs desired. Other styles designed to order.

CARTOON BANNERS.

The banners, Fig. 13, originated by the New York State Department of Health, can be procured through us. These banners are black prints on heavy

EDUCATIONAL EXHIBITION COMPANY

† POPULAR PICTORIAL BANNERS †

—OF THE—

NEW YORK STATE DEPARTMENT OF HEALTH

SHOWN AT THE INTERNATIONAL CONGRESS ON TUBERCULOSIS AT WASHINGTON, D. C.

IN CASE OF CONSUMPTION, LOOK TO THESE FOR CURE



CONSUMPTION'S ALLIES—AVOID THEM AND YOU ARE SAFEGUARDING AGAINST THE DISEASE



A CAREFUL CONSUMPTIVE, —NOT DANGEROUS TO LIVE WITH.



HOW THE GERMS OF CONSUMPTION ARE CARRIED FROM THE SICK TO THE WELL



NEW CONSUMPTIVE GRAVES EVERY YEAR.

IN THE WORLD — ABOUT 4,000,000
IN THE UNITED STATES — 100,000
IN NEW YORK STATE — 10,000

NEW YORK STATE DEPARTMENT OF HEALTH.



The Banners are used in Connection with the Department's Traveling Tuberculosis Exhibition

DESIGNED BY H. H. PRADY, D. D., AND C. H. FETTERMAN.

Fig. 13.

muslin, each 8 1-2 feet long and 2 1-2 feet wide. Price, per set of five, \$20.00. Cat. No. 600.

All five banners printed on white paper size 22 x 28 inches with double red cross in each corner, \$10.00 per 1000. Quantities of 5000, \$8.00 per 1000. Cat. No. 600A.

PUBLIC HEALTH EXHIBITIONS

DECORATIONS.

To make the exhibit attractive and cover bare spaces, bunting and flags are often desirable, as well as white shields (Fig. 14) bearing the double red cross like those used in the International Exhibition in New York.

We furnish the shields about two feet high painted on compo board at \$2.00 apiece, (Cat. No. 601) or printed on cardboard, (Cat. No. 602) 50 cents apiece. Tuberculosis flags made of U. S. white bunting, 5 x 8 feet, bearing the double red cross, \$5.00 apiece. Cat. No. 603.

CUTS AND RUBBER STAMPS.

Cuts of aphorisms for insertion in the daily papers. Cuts of the double red cross for stationary and literature according to quantity desired.

Rubber stamps of the double red cross are also useful for stamping notices, envelopes, signs, etc. Sizes, $\frac{3}{4}$, $1\frac{1}{2}$ and 2 inches.

PATHOLOGICAL SPECIMENS.

We do not supply these and do not recommend them for traveling exhibitions except where few in number and well selected.

POINTERS.

Demonstrating pointers with rubber tips, \$1.00 a dozen.

LECTURE CLOCK DIALS.

Clock dials like railroad train time dials for announcing time of next lecture, \$2.50 framed.

COUNTERS.

Small hand counters for counting the number of people in attendance at a lecture or exhibit, counting up to 1,000, \$2.50 apiece.

TABLES.

Large strong portable folding tables for holding show cases, lantern slides and literature. Price according to size. In ordering be sure to give height as well as top dimensions.

TOOL BOXES.

For traveling exhibits plenty of tools are an absolute necessity. In setting up it will be found that more than one tool of each kind will be needed if more than one man is to work at the same time. We will make up a set of tools in strong box according to size of exhibition it serves. One or more step ladders

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will be required also. We will furnish the latter if desired but they usually can be obtained more cheaply from local dealers. A few cents spent on tools may save two or three days time in setting up an exhibit.



Fig. 14.

SIGNS.

Signs of all kinds furnished on receipt of copy at moderate prices.

"This way in" and "This way out" signs, on white cardboard, 50 cents apiece.

Hands, pointing in either direction, left or right, 25 cents apiece.

Assortment of six signs and six hands, \$3.50.

Light collapsible standards for holding direction signs. Can be set up at different points in exhibit.

SIGN MARKERS.

For making signs in the field. Are very useful for making small signs of which only one copy is desired or for emergencies. Several sizes. Prices on application.



PART II. MOUTH HYGIENE

Within the past two years, mouth, or dental hygiene has been receiving more and more attention. Here, as in the case with tuberculosis, the most powerful method of education is by means of the exhibit, and several states and one or two cities have exhibitions on the care of the teeth and mouth.

PUBLIC HEALTH EXHIBITIONS

While mouth hygiene does not admit of as extensive treatment as tuberculosis we have already, and are constantly adding, much material for exhibition purposes on this important subject. By special arrangement with the National Committee on Mouth Hygiene we have been made the sole handlers for the United States of all imported models and also have at our disposal practically all the material which has heretofore been produced on this subject. This includes the material in the famous pioneer Boston Exhibit, designed by Dr. W. R. Woodbury of that city, and we have in our control all plates of photographs, models, etc., for the benefit of our customers.

We supply this material in two styles. One is the large twenty-two by twenty-eight inch unit size using the standard grooved boxes and uniform in size and construction with our large-unit Tuberculosis outfits ready for setting up; and also the Type B small portable exhibit equipped with Mouth Hygiene material.

MOTTOES.

Mottoes similar to those on Tuberculosis in lettered style only, framed, \$2.25 apiece.

PHOTOGRAPHS.

20 x 24-inch enlargements of the following photographs mounted on 22 x 28-inch cards framed and suitably lettered, as follows:

Cat. No. 2101. Model of lower jaw showing deposits of food on the teeth and on the crowns, "The beginning."

No. 2102. Same at later stage, showing result of failure to use the tooth brush to remove the deposits of food.

No. 2103. Same, showing cavities forming.

No. 2104. Same, showing results of failure to have cavities filled by a dentist. Utter destruction of tooth substance.

No. 2105. Side view of plaster cast showing how loss of chewing power results from cavities in teeth.

No. 2106. Side view of contrasting model showing perfect chewing power.

No. 2107. Photograph of girl showing facial distortion caused by poor, neglected teeth.

No. 2108. Same girl showing improvement resulting from treatment for distortion.

No. 2109. Boy with another form of distortion.

No. 2110. Contrast showing elimination of the distortion.

No. 2111. Articles "Helps in preventing the decay of the teeth."

EDUCATIONAL EXHIBITION COMPANY

- No. 2112. Jaw bone of a child of 16, showing teeth waiting their turn.
- No. 2113. Photograph of interior of a dental clinic.
- No. 2114. Tooth brush drill in school room No. 1.
- No. 2115. Tooth brush drill No. 2.

MODELS AND DRAWINGS.

No. 2500. Card containing tooth powder bottle, tooth brush, dental floss. "Do you use all of these Articles every day?" Framed, \$3.50.

No. 2501. Same style card having towel, soap, hair brush, and comb.

No. 2502. Card to which is attached one glass and one tin cup (old style drinking cup). Suitably lettered and framed, \$3.50.

No. 2503. Same style card with forms of individual cup, folding paper, folding metal, etc. "Use your own cup and avoid, etc.", \$3.50.

No. 2504. Plaster models of badly decayed teeth from the mouths of actual patients, carefully prepared and colored in oils showing cavities, inflamed gums, etc. Different models can be furnished and models sent us can be colored. Very striking and life-like. Prices on application.

No. 2505. Photographs of new style "Anti-Germ" bubble drinking fountain showing method of obtaining a drink by the use of this fountain which will be free from chance of contamination from the lips of the previous drinker.

No. 2506. Actual fountain showing bubble principle.

No. 2507. Diagram drawing framed on 22 x 28 card showing method of brushing the teeth.

No. 2508. Drinking fountain illusion, see description page 13.

No. 2509. 22 x 28-inch card framed having drawn on it in colors a humorous face, in the open mouth of which is a concave magnifying mirror. A chance for the visitor to see what his teeth look like while the subject is fresh in his mind. Suitably lettered and framed, \$5.50.

No. 2510. Drawing of two boys' faces side by side. One badly swollen and the other happy. "Aint it funny what a difference good teeth make?" Framed, \$3.00.

No. 2511. Colored Plaster casts of two jaws—one with badly decayed teeth and the other with perfect teeth are set side by side against a black background and by a clock work mechanism the jaws open and close every few seconds, slowly, so that the interior of the mouth can be seen. Above is a sign, "Which one gets the job?"

No. 2512. (In preparation). Clock work mechanism moving a tooth brush up and down on the teeth as the proper method of brushing. Scale, twice life size.

No. 2513. German wax models about six inches long of individual teeth showing the construction and interior formation. Imported. Prices on application.

PUBLIC HEALTH EXHIBITIONS

TYPE B SMALL PORTABLE EXHIBIT.

We furnish this cabinet fitted out with Mouth Hygiene material in the form recommended by the National Committee on Mouth Hygiene or to order. This makes a good form for schools, as it contains models and mottoes, and also room in the base for lantern slides or literature. Cabinet exactly similar in construction to that described on page 18. Price fitted out as in Fig. 15, \$75.00. Cat. No. 2521.

LANTERN SLIDES.

Lantern slides on mouth hygiene, 35 cents each. Descriptive list of slides available will be sent on application accompanied by two-cent stamp.

PART III. EXHIBITS ON CLEAN MILK.

While the agitation for clean, pure milk is as yet in its infancy, many states and societies already have small exhibits on this subject and most large tuberculosis exhibits contain some material in regard to milk. The enterprising farmer, the careful mother, and conscientious storekeeper are all anxious as a rule to know how to keep milk as pure as it is furnished by a healthy cow. An exhibit setting forth briefly and graphically how the milk can be kept clean and pure is therefore not only instructive but interesting to the community. The items listed below give a good idea of what such an exhibit may well consist and further material will be added from time to time as the occasion demands. The photograph (figure 16) shows a small milk exhibit in which our apparatus was used.

MOTTOES.

The cut illustrates well the general appearance of our mottoes on milk, framed in the standard 22 x 28 cherry frames. These are all hand lettered, special attention being given to clean-cut, uniform lettering and emphasis on important words. Price of mottoes framed, \$2.50 each.

PICTURES.

The right and wrong kinds of milk barns, milking and storing utensils, apparatus and methods furnish topics for photographs, either enlargements or small size contact prints.

EDUCATIONAL EXHIBITION COMPANY



Fig. 15. Type B Cabinet on Mouth Hygiene.

PUBLIC HEALTH EXHIBITIONS

MODELS.

No. 3501. *The Sawdust Refrigerator.* This model illustrates to a practical scale the method of preserving small quantities of milk in very hot weather at a cost of less than a dollar for a refrigerator and a small piece of ice. Complete with traveling crate and sign \$10.00.

No. 3502. Old milk cans with side cut open and electric light inside displaying rust holes caused by washing in warm water instead of steam, and other defects. Mounted on a wood base in traveling case with electric light, sign, and fifteen feet of electric cord with Edison plug, \$8.00 per can thus fitted.

No. 3503. The right kind of milk receptacles. Glass and paper milk bottles mounted on framed card with suitable lettering beneath. In standard frame, \$3.00.

No. 3504. The wrong kind of milk receptacles. Dirty bottles and rusty cans mounted on cardboard in standard frame, \$3.00.

No. 3505. A new form of milking pail cover adaptable to an ordinary tin pail which excludes dust in milking and yet does not obstruct hands of milker. Devised by Mr. Walter M. Scott, Milk Inspector, Providence, R. I. Pail and cover with descriptive sign, boxed, \$6.00.

All other kinds of milking apparatus, coolers, milking machines, storing receptacles, etc., fitted up for traveling exhibits. Prices on application.

Models of barns made from blue prints or drawings.

No. 3506. Disks of cotton mounted on framed card suitably lettered containing amount of dirt strained from milk, in dirty and clean barns, with and without strainers of the proper kind.

No. 3507. Quart milk bottles, each containing one of the ingredients of milk in amount equal to its proportion of the whole quart.

No. 3508. *Farm House.* Model of a farm house to a scale of about 12 inches to the foot, partly in section, similar to that shown at the Washington and New York Tuberculosis Congresses in 1908 by the New York State Charities Aid Association. This model shows how the average American farmer could make better use of his rooms. The closed front parlor might better be made into a comfortable, airy, living room for the family. The "Spare Room" with its pleasant front exposure is usually kept shut up for the very occasional guest while the farmer's family swelter in the small stuffy back room with only one window. The farm hands have not suitable sleeping or washing facilities.

EDUCATIONAL EXHIBITION COMPANY



Fig. 16. A Small Milk Exhibit.

PART IV. EXHIBITS ON A SANER FOURTH OF JULY.

The present appalling loss of life and property in many parts of the United States resulting from the celebration of a "Glorious Fourth" of unrestricted fireworks by unskilled and ignorant hands, has demanded immediate control as much as any great disease scourge. Among means taken to educate the public about the actual conditions and also that a really pleasant Fourth can be had without deafening noise and much bloodshed, the Saner Fourth Committee of Boston 1915 collected much data on the subject which we put in the form of an exhibit at the 1915 Boston Exposition. While this exhibit was not as complete as it may be made and was not built for road traveling, the bulk of it, together with the material which we have since added, makes it a very powerful method of bringing a community to see its own needs in this respect and what can and has been done in many cities already to furnish amusement in plenty without endangering life on this annual National Holiday and without in the least laying aside the importance or significance of the day.

Mottoes stating in a few concise words the alarming number of deaths, the great property loss, the damage done by a single cracker; models of proportionate size of various fireworks showing by their relative size the amount of damage which is done to human beings by their use; striking cartoons, similar to "Life's" famous "The Glorious Fourth" painting; pictures of sane celebrations, comparison of before and after, damage statistics, model of "The Great God of Noise and Unreason" to whom each year many, many lives are sacrificed, comparison of the number of lives lost in famous battles with the death list after a national holiday, all of which with many others make excellent material for an exhibit on the subject and all are treated with our usual care for details, graphic power of attraction, ability to withstand wear and tear, and can be furnished in the styles, that our other exhibits are. For those who do not wish so large an exhibition as our standard unit frames would make we could furnish the exhibit in abridged form fitted out in one or the other standard cabinets, preferably Type B.

This material is not carried in stock but can be furnished quickly on order. Estimates of what can be furnished for given amounts furnished on request.



Fig. 17.

PART V. HOUSEWIVES' EXHIBIT.

We have in preparation an exhibit which for the present we shall term "The Housewives' Exhibit," because of the fact that it will contain just the material which the American housewife ought to know but usually does not. It will contain a little material on each of the following subjects and will be gotten out in 22 x 28 inch units framed in standard boxes:

Flies, Mosquitoes, Dusting and Sweeping, Milk and its care, Rats and their extermination, Facts and fallacies about lightning, Dental Hygiene, Fresh Air, and subjects of a similar nature. Information and prices on request to parties stating what they desire.

PUBLIC HEALTH EXHIBITIONS

PART VI. EXHIBITS ON FLIES.

The house fly, the typhoid fly, the barn fly, the DIRTY FLY who never wipes his feet when he enters the kitchen; who carries germs from filth to food, is now receiving a good deal of attention. Probably in no other instance is so hard a task undertaken by Health Campaigners as that of impressing the public that this apparently harmless insect, so long a domestic pet, will carry disease and should and must be exterminated, not only for the sake of comfort but for the safety of our very lives. An exhibit on this subject, however small, will help draw attention to and impress upon the public mind the salient features of the fly's breeding places, habits, and the ensuing danger to man; which every one should and generally does not know.

"SWAT THE FLY!" is the slogan suggested by one state health bulletin. It is easier to "swat" him before he is born by means of an exhibit, than to try to kill him after he is alive.

We can make up exhibits on the fly using our standard large sized apparatus and boxes, or the material listed below, which we shall try to keep in stock.

TYPE B CABINET ON FLIES.

Cabinet, constructed as described on page 18, but containing subject matter describing the fly, his life and habits, and the resulting danger to man. Price on application. Also rented for limited periods. Terms of rental on application. Cat. No. 6521.

LANTERN SLIDES.

List of slides on flies sent for two-cent stamp. Price of slides, 35 cents each.

EDUCATIONAL EXHIBITION COMPANY

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